

ASTAKHOVA, T.N. (Leningrad)

Use of neuroplegic substances in combined therapy of traumatic shock. Pat.fiziol. i eksp.terap. 3 no.2:73 Mr-Apr '59.

(MIRA 12:6)

1. Iz laboratorii eksperimental'noy patologii (zav. - chlen-korrespondent AMN SSSR prof.I.R.Petrov) Leningradskogo instituta perelivaniya krovi.

(SHOCK, exper.

traum., eff. of ganglionic blocking agents in rabbits (Rus))

(AUTONOMIC DRUGS, eff.

ganglionic blocking agents, on traum. shock in rabbits (Rus))

IL'INSKAYA, I.V.; ASTAKHOVA, T.N.

Treatment of radiation sickness complicated by traumatic shock.
Med.rad. 4 no.10:38-41 0 '59. (MIRA 13:2)

1. Iz laboratorii eksperimental'noy patologii (zav. - chlen-korrespondent AMN SSSR prof. I.R. Petrov) Leningradskogo instituta perelivaniya krovi (nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. A.N. Filatov).

(RADIATION INJURY exper.)

(SHOCK exper.)

PETROV, I.R., prof.; KOROSTOVITSEVA, N.V., kand.med.nauk; ASTAKHOVA, T.N.,
kand.med.nauk; TSINZERLING, A.V., kand.med.nauk

Use of artificial hypothermia for the prevention of sequelae of
circulatory disorders consecutive to ligation of the portal vein
and renal artery under experimental conditions. Vest. AMN SSSR 14
no.9:47-56 '59. (MIRA 13:1)

1. Laboratoriya eksperimental'noy patologii Leningradskogo instituta
perelivaniya krovi i patologoanatomicheskoye otdeleniye Voenno-morsko-
go gosptalya. 2. Chlen-korrespondent AMN SSSR (for Petrov).

(HYPOTHERMIA INDUCED)
(PORTAL VEIN physiol.)
(KIDNEYS blood supply)

ASTAKHOVA, T.N., starshiy nauchnyy sotrudnik (Leningrad, ul. Plekhanova,
d.52, kv.8); IL'INSKAYA, I.V., starshiy nauchnyy sotrudnik

Treatment of traumatic shock combined with radiation injury. Vest.
khir. 83 no.11:85-90 N '59. (MIRA 13:4)

1. Iz laboratorii eksperimental'noy patologii (zav. - prof. I.R.
Petrov) Leningradskogo ordena Trudovogo Krasnogo Znameni insti-
tuta perelivaniya krovi (nauchnyy rukovoditel' - prof. A.N.
Filatov).

(RADIATION INJURY experimental)
(SHOCK experimental)

IL'INSKAYA, I.V.; ASTAKHOVA, T.N.

Administration of bone marrow in combined therapy for radiation
sickness complicated by severe traumatic shock. Med.rad. 5 no.6:
68 '60. (MIRA 13:12)

(RADIATION SICKNESS) (SHOCK)
(MARROW--TRANSPLANTATION)

ASTAKHOVA, T.N.; IL'INSKAYA, I.V. (Leningrad)

Treatment of severe traumatic shock. Pat.fiziol. i eksp. terap.
5 no.3:46-49 My-Je '61. (MIRA 14:6)

1. Iz laboratorii eksperimental'noy patologii (zav. - deystvitel'nyy
chlen AMN SSSR prof. I.R.Petrov) Leningradskogo ordena Trudovogo
Krasnogo Znameni instituta perelivaniya krovi.
(SHOCK) (MUSCLE RELAXANTS) (WOUNDS)

PETROV, I.R.; IL'INSKAYA, I.V.; ASTAKHOVA, T.N.

Use of bone marrow transplantation in the combined treatment of
radiation sickness. Vest. AMN SSSR 16 no.7:63-71 '61.
(MIRA 14:7)

1. Leningradskiy institut porelivaniya krovi.
(RADIATION SICKNESS) (MARROW-TRANSPANTATION)

PETROV, I.R.; IL'INSKAYA, I.V.; ASTAKHOVA, T.N. (Leningrad)

Hematopoiesis after extraction of various quantities of bone marrow. Pat. fiziol. i eksp. terap. 7 no.4:11-17 J1-Ag '63.

(MIRA 17:9)

1. Iz laboratorii eksperimental'noy patologii (zav.- deystvitel'nyy chlen AMN SSSR prof. I.R. Petrov) Leningradskogo instituta perelivaniya krovi.

ASTAKHOVA, T.V.

Effect of growth on parasites in carp. Doklady Akad. nauk SSSR
93 no.3:577-579 21 Nov 1953. (CINL 25:5)

1. Presented by Academician K. I. Skryabin 7 September 1953.

ASTAKHOVA, T.V.

Historical survey of age determination of Kara-Tau strata on
Mangyshlak. Vest.Len.un 11 no.18:65-72 '56. (MLRA 9:12)

(Kara-Tau (Mangyshlak Peninsula)--Geology, Stratigraphic)

KUZNETSOV, S.S.; KORZHENEVSKIY, B.A.; ASTAKHOVA, T.V.

Geology of the Karatauchik ranges and of the eastern Kara-Tau
on the Mangyshlak Peninsula. Avtoref. nauch. trud. VNIGRI no.17:
226-330 '56. (MIRA 11:6)
(Mangyshlak Peninsula--Geology)

ASTAKHOVA, T.V.

Stratigraphic position of Doricranite-containing layers.
Dokl.AN SSSR 111 no.5:1065-1067 D '56.

(MLRA 10:2)

1. Predstavleno akademikom D.V. Nalivkinym.
(Cephalopoda, Fossil) (Geology, Stratigraphic)

ASTAKHOVA, T. V., Cand Geol-Min Sci -- (diss) "Stratigraphy and
Fauna of the Lower Trias of the Karatau Range on the Mangyshlak
Peninsula." Len, 1957. 14 pp (Acad Sci USSR, Geological Museum
im A. P. Karpinskiy), 100 copies (KL, 48-57, 105)

- 13 -

ASTAKHOVA, T.V.

Parasite fauna of young pike perch in the Volga Delta and the
Northern Caspian. Trudy sov.Ikht.kom. no.9:99-103 '59.
(MIRA 13:5)

1. Kaspiyskiy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii.
(Volga Delta--Parasites) (Caspian Sea--Parasites)
(Parasites--Perch)

KUN, M.S., kand.biolog.nauk; ASTAKHOVA, T.V.; TEPLYI, D.L.

Why is the carp dying in the Volga Delta? Priroda 49 no.5:
100-101 My '60. (NIRA 13:5)

1. Kaspiyskiy nauchno-issledovatel'skiy institut rybnogo kho-
zyaystva i okeanografii, Astrakhan'.
(Volga Delta--Carp)

ASTAKHOVA, T.V.; KUN, M.S.; TEPLYI, D.L.

Cause of a carp disease in the lower course of the Volga River.
Dokl.AN SSSR 133 no.5:1205-1208 Ag '60. (MIRA 13:8)

1. Kaspiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii. Predstavleno akad. Ye.N.Pavlovskim.
(Volga River--Carp--Diseases and pests)
(Algae--Toxicology)

AST. INOVA, T.V.

General meeting of the Siberian Department of the All-Union
Paleontological Society devoted to organizational problems.
Geol. i geofiz. no. 9:118-119 '60. (MIRA 14:2)
(Paleontological societies)

ASTAKHOVA, T.V.

Recent data on the stratigraphy of the Triassic in the
Mangyshlak Peninsula. Trudy VNIIGI no.29:146-153 vol. 1
'66. (MIPA 14:7)
(Mangyshlak Peninsula: Geology, Stratigraphic)

ASTAKHCVA, T.V.

Third Conference of the Siberian Branch of the All-Union Paleontological Society. Geol. i geofiz. no.2:132-133 '61. (MIRA 14:5)
(Siberia--Paleontological societies)

ASTAKHOVA, T.V.

Fourth session of the Siberian Section of the All-Union Paleontological Society. Geol. i geofiz. no.9:132 '61. (MIRA 14:11)
(Siberia--Geology, Stratigraphic--Congresses)

KUN, M.S.; TEPLYI, D.L.; ASTAKHOVA, T.V.

Causes of a carp disease in the Volga Delta. Vop. ikht. no.17:
159-168 '61. (MIRA 14:5)

1. Kaspiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii (KaspNIRO).
(Volga Delta--Carp--Diseases and pests)
(Algae--Toxicology)

ASTAKHOVA, T.V.

New stratigraphic scale of Triassic sediments in the Tuarkyr region. Izv. AN SSSR. Ser.geol. 27 no.7:70-78 J1 '62. (MIRA 15:6)

1. Sibirskoye otdeleniye AN SSSR, Institut geologii i geofiziki, Novosibirsk.

(Tuarkyr region--Geology, Stratigraphic)

ASTAKHOVA, T.V.

Activities of the Siberian Branch of the All-Union Paleontological
Society. Geol.i geofiz. no 5:142-143 '62. (MIRA 15:8)
(Siberia--Paleontological research)

ASTAKHOVA, T.V.

Triassic paleogeography of the Mangyshlak and Tuar-Kyr.

Biul. MOIP Otd. geol. 3' no.6:78-84 N-D '62.

(MIRA 16:8)

ASTAKHOVA, T.V.

Conference of the Siberian Branch of the All-Union Paleontological Society.
Geol.i geofiz. no.1:148-150 '63. (MIRA 16:4)
(Paleontological societies)

ASTAKHOVA, T.V.

Posthodiplostomum cuticola infestation of carps. Trudy Astr. zap.
no.9:40-56 '64. (MIRA 18:10)

ASTAKHOVA, T.V.

New ammonites from the "Doricranitic" horizon of the Mangyshlak Peninsula. Dop. AN URSR no.3:378-382 '64. (MIRA 17:5)

1. Institut geologicheskikh nauk AN UkrSSR. Predstavleno akademikom AN UkrSSR V.G. Bondarchukom [Bondarchuk, V.H.].

KUNYANTS, Ivan Lyudvigovich, akademik; ASTAKHOVA, Valentina
Grigor'yevna; GABOVA, K.K., red.

[Challenge to a great secret] Vyzov velikoi taine. Moskva, Izd-vo "Znanie," 1965. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Estestvoznaniye i religiya, no.5) (MIRA 18:5)

ASTAKHOVA, Vera Grigor'yevna; MAYSURIAN, N.A., akademik, red.;
ULIN, I., red.

[Sugar beets] Sakharnaia svëkla. Moskva, Mosk. rabochii,
1964. 36 p. (MIRA 17:4)

GOL'DANSKIY, Vyacheslav Iosifovich; ASTAKHOVA, Valentina Grigor'yevna,
zhurnalist; GABOVA, K.K., red.

[Miracles of transmutation] Chudesa prevrashchenii. Moskva, Znanie, 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Estestvoznaniye i religiya, no.9)

(MIRA 17:11)

1. Chlen-korrespondent AN SSSR (for Gol'danskiy).

USSR / Human and Animal Morphology (Normal and
Pathological). Nervous System. Peripheral
Nervous System.

S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16968

of an autoclaved broth culture of B.
mesentericus under the skin of the animal.
After the introduction of the culture the
animals were killed at various times (up to
6 days) with ether. During the process of
development of the fever reaction, hypertrophy
of myelinated fibers, argentophilia and their
vacuolization occur. In the preterminal
sections of fibers, swelling of protoplasm
in the shape of balls and oval distentions
connected by bridges are discovered. On
roughly changed fibers, weakly impregnated
receptors are noted. It was shown that the
receptors of nervus vagus, being physiologically

Card 2/3

USSR/Human and Animal Morphology. Nervous System.
Peripheral Nervous System

S-3

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88431

Author : Astakhova, V. V.

Inst : Not Given

Title : Changes in the Peripheral Nervous System in Experimental Fever

Orig Pub: Byul. eksperim. biol. i meditsiny, 1957, 43, No. 2, 105-108

Abstract: The wall of veins was histologically investigated in 50 cats, injected subcutaneously with a culture of *Bacillus mesentericus* or with physiological solution (controls). The condition of the peripheral nervous structures within 1-24 hours and 6 days after the experiment, was described. ∴

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GERMANOVSKIY, I.I.; ASTAKHOVA, Ye.I.

Roentgenologic investigation on the gastric evacuant function in gastroparesis. Klin.med., Moskva 29 no.3:35-41 Mar 51. (CLML 20:7)

1. Of the Department of Roentgenology (Head--Prof. A.A. Lemberg), Ukrainian Institute for the Advanced Training of Physicians (Director--I.I. Ovsienko), and of the Ukrainian Roentgen-Radio-Oncological Institute (Director--Ye.A. Bazlov), Khar'kov.

ASTAKHOVA, Ye.I.

Echinococcal cysts of the pericardium. Vest.rent. 1 rad. 33 no.4:77-78
Jl-Ag '58 (MIRA 11:8)

1. Iz Ternopol'skoy obl'astnoy bol'nitsy (glavnyy vrach K.V. Belikov).
(PERICARDIUM, dis.
echinococcosis (Rus))
(ECHINOCOCCOSIS, case reports
pericardium (Rus))

ASTAKHOVA, Ye.I.

X-ray diagnosis of bone hemangiomas. Ortop., travm. i protez. 24
no.10:51-54 O '63. (MIRA 17:5)

1. Iz Donetskogo instituta travmatologii i ortopedii (dir. -
starshiy nauchnyy sotrudnik Revenko, T.A.). Adres avtora:
Donetsk, ulitsa Artema, d.106, Institut travmatologii i ortopedii.

S-5310

28283
S/075/61/016/005/003/010
B101/B110

AUTHORS: Peshkova, V. M., Bochkova, V. M., and Astakhova, Ye. K.

TITLE: Spectroscopic determination of nickel traces in indium

PERIODICAL: Zhurnal analiticheskoy khimii, v. 16, no. 5, 1961, 596 - 598

TEXT: In a previous paper (Zh. analit. khimii, 15, 610 (1960)) the authors suggested the use of nickel dioximates for the spectroscopic determination of Ni in In or Al. The purpose of the present paper was to increase the sensitivity of this method by separating the reagent from the nickel compound, as the former absorbs light in the same spectral region. α -benzyl dioxime was preferred to α -furyl dioxime as a reagent, as its Ni compound is stable to alkalies, and the free reagent can be removed from the chloroform solution with NaOH. The investigation was carried out at $\lambda = 273 \text{ m}\mu$ ($\epsilon = 50,000$) with an CF-4 (SF-4) spectrophotometer with hydrogen lamp. 1 g of In is dissolved in 10 ml concentrated HNO_3 , the solution is boiled down, and the residue is placed into a separating funnel with 20 ml of 20% citric acid and 5 - 10 ml of a 20% potassium-sodium tartrate solution to prevent the formation of indium hydroxide. NaOH is

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S/075/61/016/005/003/010

B101/B110

Spectroscopic determination of nickel ...

added up to pH 8 - 11. 2 ml of a 0.02% ethanolic solution of α -benzyl dioxime is then added, as well as ethanol up to a concentration $\geq 20\%$, which ensures a constant optical density of the CHCl_3 extract. After mixing for 10 - 15 sec, extraction is carried out for 2 min with 5 ml of CHCl_3 . The CHCl_3 solution is washed twice with 5 ml of 1 N NaOH each time. The optical density is then measured at 275 m μ . The Co and Cu compounds of α -benzyl dioxime, which likewise absorb in this spectrum region, are not stable in NaOH. The CHCl_3 solution of Ni- α -benzyl dioximate obeys the Lambert - Beer law in the concentration range 0.005 - 5 μ in 5 ml. This method permits the determination of nickel traces down to $5 \cdot 10^{-7}\%$ with a reproducibility of $\pm 25\%$. There are 2 figures, 2 tables, and 4 references: 2 Soviet and 2 non-Soviet. The 2 references to English-language publications read as follows: Banks, C., Barnum, D., J. Amer. Chem. Soc. 80, 4767 (1958); Usumasa, Y., Waschizuko, S. Bull. Chem. Soc. Japan 29, 403 (1956).

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

Card 2/3

ASTAKHOVA, Ye.K.; ASTAKHOV, K.V.

Nature of ammonia solutions. Zhur. fiz. khim. 36 no.11:
2570-2571 N'62.
(MIRA 17:5)

SAVOSTINA, V.M.; ASTAKHOVA, Ye.K.; PESHKOVA, V.M.

Study of the properties of α -dioximes having analytical application.
Vest.Mosk.un.Ser.2:Khim. 18 no.2:43-45 Mr-Apr '63. (MIRA 16:5)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.
(Oximes) (Chemistry, Analytical)

SAVOSTINA, V.M.; ASTAKHOVA, Ye.K.; PESHKOVA, V.M.

Complex formation of nickel with some α -dioximes in the system chloroform - water. Zhur.neorg.khim. 9 no.1:80-84 Ja '64. (MIRA 17:2)

ASTAKHOVA, Ye.K.; SAVOSTINA, V.M.; PESNIKOVA, V.M.

Determination of the stability constants of complex compounds of
nickel and cobalt. Zhur.neorg.khim. 9 no.4:817-821 Ap '64.
(MIRA 17:4)

ASTAKHOVA, Ye.K.; SAVOSTINA, V.M.; PESHKOVA, V.M.

Distribution of iron (III) in the systems 1,2-cyclohexanedione-
dioxime - organic solvent - water. Zhur. fiz. khim. 38 no.9:
2299-2301 S '64. (MIRA 17:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

L 52289-65

ENT(m)/ENT(t)/ENT(z)/ENT(b)

Pad IJP(c) JD/HW

ACCESSION NR: AT5012672

UR/2513/85/015/060/0104/0110

AUTHOR: Peshikova, V.M.; Savostina, V.M.; Astakhova, Ye. K.; Minayeva, N.A.

TITLE: Extractive concentration of trace amounts of nickel with the aid of alpha dioximes

SOURCE: AN SSSR. Komissiya po analiticheskoy khimii. Trudy, v. 15, 1965. Metody kontsentrirvaniya veshchestv v analiticheskoy khimii (Methods of concentrating substances in analytical chemistry), 104-110

TOPIC TAGS: nickel concentration, nickel determination, dioxime, colorimetric analysis, dimethylglyoxime

ABSTRACT: The extent of the extraction of nickel dioximates by chloroform from the aqueous phase depends on their stability constant, the dissociation constants of the reagents in the aqueous phase, the distribution constants of nickel dioximates and of the oxime itself between water and the organic phase, and the presence in the aqueous phase of a ligand forming nonextractable complexes with nickel (tartrate, citrate, etc.). The influence of these factors was studied for five widely used dioximes: α -furyldioxime, dimethylglyoxime, dioximes of cyclohexanedione (nioxime) and cycloheptanedione

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ACCESSION NR: AT5012672

(heptoxime), and α -benzyldioxime. On the basis of the study, a technique was proposed and checked for concentrating nickel impurities in metallic titanium by means of dimethylglyoxime: a complete extraction of nickel in the presence of tartrate was achieved at pH 6 to 10, chloroform was used to break down the copper complex, and nickel was determined spectrophotometrically at 262 m μ . Orig. art. has: 3 figures, 3 tables and 3 formulas.

ASSOCIATION: Komissiya po analiticheskoy khimii, AN SSSR (Commission on Analytical Chemistry, AN SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: IC, MM

NO REF SOV: 003

OTHER: 004

gsh
Cord 2/2

ASTAKHOVA, Zhanna Aleksandrovna; TSIPIS, Yuzef Mironovich; SHVARTSMAN, Moisey Borisovich; FILOGRIYEVSKAYA, Z.D., red.; MARTSEVICH, Yu.P., red. izd-va; KOZLENKVA, Ye.I., tekhn. red.

[Procurement of medicinal and industrial raw materials in the Ukraine] Zagotovka lekarstvenno-tekhnicheskogo syr'ia na Ukraine. Moskva, Izd-vo TSentrosoluzs, 1960. 23 p. (MIRA 14:10)
(UKRAINE--BOTANY, MEDICAL)

ANISIMOV, S.M.; SVISTUNOV, N.V.; ASTAKHOVA, Ye.P.

Gold flotation out of pure quartz placer ores. TSvet. met. 38
no.11:45-50 N '65. (MIRA 18:11)

ASTAKHOVA-ROMANENKO, N.T.

Syringe for vaginal and tampons. Ped., akush. i gin. 23 no.5:63
'61. (MIRA 14:12)

1. Fiziovodogryazelikarnya 9-1 mis'koi polikliniki (golovniy likar -
V.V.Piven') m. Dnipropetrovs'ka.
(SYRINGES) (BATHS, MOOR AND MUD---EQUIPMENT AND SUPPLIES)

ASTAN, H.

Theoretical and Practical Considerations on the Construction of Rotative
Generators with Increased Frequency/HF Generators for HF surface Hardening.
Electrical Engineering, #11:273:Nov. 55

ASTANAKULOVA, A.

Physiological significance of drinking water under the conditions of
overheating. Nauch. trudy Tash GU no.204:3-8 '62. (MIRA 17:9)

ASTANIN, L.

"Physical exercises and the development of human hands. Tr. from the Russian" (p.57)
PRIRODA (Bulgarska Akademia Na Naukite) Safiya Vol 2 No 6 Nov/Dec 1953

SO: East European Accessions List Vol 2 No 6 Aug 1954

ASTANIN, Lev Petrovich; SHAPIRO, F.B., red.; LIPKINA, T.G., red.izd-va;
KUZ'MINA, N.S., tekhn.red.

[Organs of the mammal body and their functions] Organy tela
mlekopitaiushchikh i ikh rabota. Moskva, Gos.izd-vo "Sovetskaya
nauka," 1958. 351 p. (MIRA 12:5)
(Mammals---Anatomy)

ASTANIN, L.P. (Stavropol' (krayevoy), proyezd Engelsa, 14, kv. 8)

Correlative variability of the cranium and brain in some mammals.
Ark. anat. gist. i embr. 39 no.8:39-45 Ag '60. (MIRA 13:11)

1. Muzei i laboratoriya sravnitel'noy i ekologicheskoy morfologii
(zav. - prof. I.D.Strel'nikov) Yestestvenno-nauchnogo instituta
imeni P.F.Lesgafta.
(SKULL) (BRAIN)

ASTANIN, L.P.; PODGORNYY, M.I.

Comparative morphological analysis of *Carassius carassius* L.
and *Carassius auratus gibelio* Block from the Novomar'yevskaya
Lagoon in Stavropol Territory. Vop. ikht. 3 no.3:447-459 '63.
(MIRA 16:10)

1. Stavropol'skiy sel'skokhozyaystvennyy institut, Stavropol'
krayevoy.

(Novomar'yevskaya Lagoon--Carp)

ASTANIN, L. P.

"Proportsii kisti cheloveka i primatov."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

ASTANIN, L.P. (Stavropol' (krayevy), ul. Engel'sa, 14, kv.8)

Age-related changes in the proportions of the human hand.
Arkh. anat., gist. i embr. 43 no.11:58-67 N '62.

(MIRA 17:8)

1. Kafedra zoologii (zav. - prof. L.P. Astanin) Stavro-
pol'skogo sel'skokhozyaystvennogo instituta.

ASTANIN, P.P., professor; BYRDINA, A.S., redaktor; VOROB'YEV, F.I.,
redaktor; VODOLAGINA, S.D., tekhnicheskii redaktor

[Practical exercises in biochemistry] Prakticheskie zaniatiia
po biokhimii. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1951.
191 p. (MLRA 10:5)
(Biochemistry--Problems, exercises, etc.)

Astanina P.P.
ASTANIN, Petr Petrovich, prof., zasluzhennyy deyatel' nauki RSFSR; UZYUMOV,
Vasily Lavrent'yevich, kand. veterinarnykh nauk; KOVYMDIKOV, Mikhail
Semenovich, kand. veterinarnykh nauk; GOL'DSHTEYN, S.A., red.;
CHUMAYEVA, Z.V., tekhn.red.

[Biochemistry] Biokhimiia. Pol obshchei red. P.P.Astanina. Moskva,
Gos.izd-vo sel'khoz. lit-ry, 1957. 167 p. (MIRA 11:3)
(BIOCHEMISTRY)

MOCHALOV, P.P.; KURBATOV, V.A.; GETSELEV, Z.N.; ASTANIN, S.D.; ZIMIN, L.S.;
SABUROV, V.V.

Induction furnace for heating slabs. TSvet. mat. 38 no.4:83-86 Ap '65.

ASTANIN, V., inzh. (Chelyabinsk)

Repairing the IZh engine. Za rul. 21 no.1:24-25 Ja '63.
(MIRA 16:1)

(Motorcycles--Engines--Maintenance and repair)

SHEREMET'YEV, A.D.; ASTANIN, V.N.

Modernization of lathes for high-speed drilling of deep holes in
heat-resistant steel valves. Stan.i instr. 33 no.3:37-38 Mr '62.
(MIRA 15:2)

(Lathes—Technological innovations)

ASTANIN, V.N.

High-speed drilling of deep holes in automobile valves. Avt.
prom. 30 no.6:36 Je '64. (MIRA 17:12)

1. Chelyabinskiy politekhnicheskiiy institut.

ASTANIN, V.N.

Dynamics of the drilling of deep holes in EI992 steel. Stan.
1 instr. 34 no.11:25-27 N '63. (MIRA 16:12)

ANTANIN, V.k.

Tubular pointed drills and the technology of their manufacture.
Stan. 1 instr. 35 no. 7:43-44 (U) 104. (MIR 1971)

ASTANIN, V.V., inzh.; GEDEONOV, P.P., inzh.

Acceleration of the heat treatment and drying of heat-insulating
vermiculite products from liquid glass. Stroi. mat. 11 no. 12:
14-15 D '65. (MIRA 18:12)

ASTANIN, Yuriy Petrovich,; GORDEYEV, Nikolay Ivanovich,; DUKACHEV, M.P.,
polkovnik, red.; RYBKINA, V.P., tekhn. red.

[Training in mixed marching and double-time] Trenirovka v marsh-
broskakh. Moskva, Voen. ind-vo M-va obor. SSSR, 1958. 53 p.
(MIRA 11:12)

(Marching)

A. A. ASTANINA, B. A.

CA

7

Determination of zirconium with mandelic acid. A. A. Astanina and B. A. Ostroumov (Inst. of Mineral Raw Materials, Moscow, U.S.S.R.). *Zhur. Anal. Khim.* 6, 27-33 (1931).—The purpose of this investigation was to check the Kumins method (C.A. 41, 4736f). The method was accurate and effective in sepn. of Zr from other metals including the rare earths and Mo. Equally good results were obtained by weighing Zr mandelate without igniting the ppt. to ZrO_2 . The excess mandelic acid was removed by washing the ppt. 2-3 times with EtOH. Zr in quantities below 0.0010 g. does not ppt. at once, particularly in the presence of other elements. In such cases the time allowed for pptn. should be extended to 1 or more days. M. Hosh

Astulina, A. A.

7 7
 Volumetric determination of iron with o-phenanthroline
 and 2,2'-bipyridine (in the glass industry sands and lime-
 stones) A. A. Astulina, Shernik Robot Moskov, Geol-
 Razvedka, 1983, No. 2, 134-41;
 Referat Zhur, Khim. 1983, No. 2, 134-41. The
 sensitivity with rich and standard samples is obtained when
 Fe is fed in the form of a hydroxide with o-phenanthroline
 or with 2,2'-bipyridine. The method is suitable for
 analyzing sand and limestone for the glass industry. The
 comparative results of coloration obtained by these ma-
 terials with NH₄SCN, tulle and the sand is presented here,
 and by a volumetric method are given. A. A. Astulina

11

Astania, A. A.

Determination of rate height in surface deposits.

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ASTANI^NA, A. A.

ASTANI^NA, A. A.

Ostroy^{NA}mov, E. A., Astani^{NA}a, A. A.

"Determination of Thorium by the Weight and Colorimetric Methods" p. 54

in book Methods of Determining Radioactive Elements in Mineral Raw Materials,
1958, 68 pp

5(2)

SOV/75-14-2-16/27

AUTHORS: Ponomarev, A. I., Astenina, A. A.

TITLE: Determination of Small Amounts of Nitrogen in Metals and Alloys
(Opredeleeniye malykh kolichestv azota v metallakh i splavakh)

PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 2, pp 234-238
(USSR)

ABSTRACT: Nitrogen occurs in metals and alloys mainly in the form of nitrides. The determination of nitride-nitrogen is usually carried out by solving the weighed portion and by transforming nitrogen into ammonia. Ammonia is separated by distillation in a special apparatus and then determined by titration or photometrically. The authors of the present paper used distillation with steam for the determination. The distillation apparatus applied is represented and described in this paper. Special attention was paid to the dephlegmator. Practical experience showed that a dephlegmator in the form of a narrow tube as well as a short condenser may lead to errors. For this reason the authors used a dephlegmator in the form of a rather wide tube (diameter of about 10 mm) with an enlargement in the middle. At moderate and uniform development of steam part of the steam condenses on the tube walls and flows back into the flask: in this case not the entire cross section of the tube is filled with liquid. Since the alkali content of the

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Determination of Small Amounts of Nitrogen in Metals and Alloys SOV/75-14-2-16/27

Glass inhibits the determination the dephlegmator, condenser, and collector were made of quartz. For the determination of ammonia in the condensate the authors devised a sensitive photometric method. It is based on the measurement of the pH value of the distillate by means of a universal indicator (Ref 5). For this purpose a small board with a scale of imitating light filters (VIMS) is used. By means of these filters the color of the sample of the distillate to which the indicator was added is compared. The method elaborated by the authors makes it possible to determine ten thousandths of per cents of nitrogen in the initial material. If dilute solutions or smaller quantities of weighed portions are used, the method permits the determination of tenths of per cents of nitrogen. The sensitivity of the method is 0.2 γ N in 1 ml. The photometric determination after the distillation of ammonia does not take more than 2 minutes. The accuracy of the determination is determined by the correction which must be made in the blank test. The results of the determination of nitrogen according to this new method in three standard steel samples are given in a table. The entire process of analysis is described in detail in this paper, and many a practical advice

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SOV/75-14-2-16/27

Determination of Small Amounts of Nitrogen in Metals and Alloys

is given. The production of the reagents which must not contain ammonia (bidistilled water for distillation, soda lye, hydrochloric acid or sulfuric acid for the decomposition of the sample, dissolution of the universal indicator) is precisely described. There are 3 figures, 1 table, and 5 Soviet references.

ASSOCIATION: Institut metallurgii im. A. A. Baykova AN SSSR, Moskva
(Institute of Metallurgy imeni A. A. Baykov of the AS USSR,
Moscow)

SUBMITTED: March 8, 1958

Card 3/3

5(2)

SOV/32-25-5-54/56

AUTHOR:

Astanina, A. A.

TITLE:

On the Iron Determination in Alloys on a Titanium Base
(Ob opredelenii zheleza v splavakh na titanovoy osnove)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, p 638 (USSR)

ABSTRACT:

A comparison of the Instruction VIAM No 566-55 "Determination of Iron in Alloys on a Titanium Base" (Ref 1) with the paper by Norwitz and Codell with the same title (Ref) shows that, in principle, the methods are the same in both cases. There is an essential difference however, between the two methods insofar as titanium is transformed into a complex compound with citric acid in the first case and with tartaric acid in the second case. It was found experimentally that the use of citric acid frequently causes a decrease of the determination results and thus tartaric acid can be recommended as a better reagent in this case. There are 2 references, 1 of which is Soviet.

ASSOCIATION:

Institut metallurgii im. Baykova AN SSSR (Institute of Metallurgy imeni Baykov, AS USSR)

Card 1/1

ASTANINA, A.A.; PONOMAREV, A.I.

Photometric determination of titanium with chromotropic acid
in metallic chromium. Trudy Inst.met. no.10:227-230 '62.

(Chromium--Analysis)

(Titanium--Analysis)

(MIRA 15:8)

PONOMAREV, A.I.; ASTANINA, A.A.

Determination of small quantities of sulfur in steel, cast iron,
iron ores, and other materials. Trudy Inst.met. no.10:230-238
'62. (MIRA 15:8)

(Metals--Sulfur content)

1. 58716-65

W/W/JG

AM5016875

EWI(n)/EPF(n)-2/EPR/EWP(t)/EWP(b)/EWA(h)

Ps-4/Peb/Pu-4 IJP(c)

BOOK EXPLOITATION

UR/

669:543/545+543.42

Ponomarev, A. M., ed.

Chemical and spectrum analysis in metallurgy; a practical handbook
(Khimicheskii i spektral'nyy analiz v metallurgii; prakticheskoye
rukovodstvo) Moscow, Izd-vo "Nauka", 1965. 382 p. illus., tables,
index. (At head of title Akademiya nauk SSSR. Gosudarstvennyy
komitet po chernoy i tsvetnoy metallurgii pri Gosplane SSSR.
Institut metallurgii im. A. A. Baykova) Errata slip inserted.
3000 copies printed.

TOPIC TAGS: analysis, chemical analysis, physicochemical analysis,
spectral analysis, slag analysis, steel analysis, iron analysis,
alloy analysis, pure metal analysis, element determination, rare
earth element determination, impurity determination

PURPOSE AND COVERAGE: This book is intended for specialists and
workers at scientific-research and plant laboratories. The book
describes chemical, physicochemical and spectral methods of
analyzing slags, steels, irons, various alloys, and some pure

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metals. The determination of rare and rare-earth elements is outlined. Part I of the book deals with the analysis of slags and the determination of basic elements and usual impurities, and describes methods of determining rare-earth elements. Part II deals with the analysis of cast irons and steels and describes, the determination of usual components and tungsten and molybdenum in the presence of niobium, as well as the determination of tantalum, niobium and cerium. Part III includes analysis of metallic chromium, niobium, titanium, nickel, and their alloys. Methods of determining cerium, indium, and gallium in metals and alloys are discussed along with the determination of rare-earth elements by applying the chromatographic method. Part IV deals with spectral analysis including photographic and other various methods. The following members of the Institute of Metallurgy participated in the work: A. A. Astanina, V. S. Nagibin, Yu. N. Kurenkova, Yu. I. Bykovskaya, L. J. Vesselago, I. A. Golubeva, N. S. Gertseva, A. S. Slavatinakiy, A. N. Shteynberg, M. V. Nikitina, and L. L. Lapchinskaya.

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AM:016875

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SUB CODE: MM

SUBMITTED: 19Jan65

NO REF SOV: 133

OTHER: 013

DATE ACQ: 03Jun65

Corr: 5/5 2/210

ASTANINA, L.N.

Effect of aminazine on the sensitivity of white mice to penicillin, streptomycin, and blomycin. Farm. i toks 21 no.6:18-21 N-D 858 (MIRA 12:1)

1. Kontrol'no-analiticheskaya laboratoriya 4-go Glavnogo upravleniya pri Ministerstva zdavookhraneniya SSSR (nauchnyy rukovoditel' - prof. G.N. Pershin).

(CHLORPROMAZINE, effects,

on chlortetracycline, penicillin & streptomycin sensitivity in white mice (Rus))

(CHLORTETRACYCLINE, effects,

effect of chlorpromazine on sensitivity in white mice (Rus))

(PENICILLIN, eff.

same)

(STREPTOMYCIN, eff.

same)

NIKOLAYEVA, Ye.A.; MAKARENKO, V.S.; ASTANINA, L.N. (Moskva)

Bacteriological control of the cleanliness of drugstore workers' hands. Apt. delo 10 no. 1:56-58 Ja-F '61. (MIRA 14:2)
(DRUGSTORES---HYGIENIC ASPECTS)

FROLOVA, N.A., dotsent; ASTANINA, T.N., vrach-metodist

Work of the province hospital in advanced training for physicians.
Zdrav.Ros.Feder. 4 no.2:33-37 F '60. (MIRA 13:5)

1. Iz kafedry organizatsii zdavookhraneniya (zav. - dotsent N.A. Frolova) Kalininskogo meditsinskogo instituta i Kalininskoy oblasti
noy bol'nitsy (glavnyy vrach A.A. Sokolov).

(KALININ PROVINCE--MEDICINE--STUDY AND TEACHING)

DULETOVA, T.A.; ASTANKOVA, N.S.; VOLNENKO, N.K.; KULAGIN, Yu.V.; SOKOLOVA, M.P.

Synoptic aerological conditions of the formation of fogs according to
the data of Kazakhstan. Trudy KazNIGMI no.11:103-121 '59.

(Kazakhstan--Fog)

(MIRA 13:6)

ASTANKOVA, R.K., inzh.

The 1PTS-5 tractor trailer. Trakt.i sel'khoz mash. no.8:36
Ag '62. (MIRA 15:6)
(Tractors--Trailers)

ASTANOV, A. I.

AUTHOR: Astanov, A.-I., Dotsent

3-4-25/28

TITLE: A Fundamental Link in the Educational Process (Osnovnoye zveno uchebnogo protsesssa)

PERIODICAL: Vestnik vysshey shkoly, April 1957, # 4, p 89-92 (USSR)

ABSTRACT: The first part of the article contains a positive evaluation of S.I. Zinov'yev's book "The Lecture in the Soviet Higher School" (Lektsiya v sovetskoy vysshey shkole) issued by the USSR Ministry of Higher Education in 1956. The second part contains a list of scientific periodicals published by various universities, technical colleges and economical institutes of the USSR.

ASSOCIATION: Kiyev Polytechnical Institute (Kiyevskiy politekhnicheskiy institut)

AVAILABLE: Library of Congress

Card 1/1

ASTANOV, V.

Method of strengthening the spare tire clamp on the ZIS-155 bus.

Avt.transp. 33 no.6:34 Je '55.

(MLRA 8:10)

(Motorbuses)

CP
ASTANOVSKAYA, S. N.

Reactions between sodium carbonate and ferric oxide and alumina. V. A. Mazel and S. N. Astanovskaya. *Legkie Metal.* 5, No. 4, 12-18 (1936). Na_2CO_3 reacts to react with Fe_2O_3 and with Al_2O_3 at 500° . The reactions are rapid at 700° . An excess of Na_2CO_3 increases the speed of reaction below 600° but at higher temp. decreases it. In all cases, $\text{Na}_2\text{O} \cdot \text{Fe}_2\text{O}_3$ and $\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3$, resp., are the only compds. produced. H. W. Rathmann

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

18
АСТАНОВИТСКАЯ, С.И.

• CA

Alumina from calcitic bauxite by the Bayer method.
V. A. Masel and S. I. Astanovitskaya. U.S.S.R. 69,604,
Nov. 30, 1947. To prevent dealcalization of return
liquor by carbonates, the return liquors are said. with
soda in the presence of CO₂. M. Hoesch

ASTANSKIY, L.V.

Problems of technical progress in the cement industry. Stroi.
mat., izdel. 1 konstr. 2 no.8:7-10 Ag '56. (MLRA 9:10)

1. Glavnyy inzhener opytnogo zavoda nauchno-issledovatel'skogo
instituta tsementnoy promyshlennosti.
(Cement industries)

ASTANSKIY, L. Yu.

Fast-setting high-strength Portland cement with a high
content of magnesium oxide

...the new process is ...

ASTANSKIY, L. Yu., Cand Tech Sci --- (diss) "Investigation of the conditions and effect of a system of refrigeration of cinders on the properties of Portland cement with an increased content of magnesium oxide." Moscow, 1960. 17 pp; 1 page of tables; (Moscow Order of Lenin Chemical Technology Inst im D. I. Mendeleyev); 200 copies; price not given; (KL, 25-60, 130)

BANIT, F.G.; GERSHMAN, M.I.; LEONTENKOV, A.I.; OLEYNIKOVA, N.I.;
FERTSIK, N.G.; PIROTSKIY, V.Z.; SLIVITSKAYA, F.R.;
KHOKHLOV, V.K.; ASTANSKIY, L.Yu., nauchn. red.; TYUTYUNIK,
M.S., red.izd-va; BRUSINA, L.N., tekhn. red.

[Cement industry; its present status and prospects for development] TSementnaya promyshlennost'; sostoyaniye i perspektivy razvitiya. [By] F.G.Banit i dr. Moskva, Gosstroizdat, 1963. 258 p. (MIRA 16:12)

(Cement industries)

ASTANSKIY, L.Yu., kand. tekhn. nauk; REKHTAR, Ya.A., kand. ekonom. nauk;
RUMER, B.Z., inzh.

Improving the structure and increasing the effectiveness of capital
investments. T'Sement 30 no.3:15-16 My-Je '64.

(MIRA 17:11)

SHNEYDER, V.Ye., kand. ekon. nauk, dots.; TUROVSKIY, I.G., prof.;
ZAK, M.A., kand. ekon. nauk; BOGUSLAVSKIY, A.I., inzh.-
ekon.; SANKISKIY, D.I., kand. ekon. nauk, dots.;
ASTANSKIY, L.Yu., kand. tekhn. nauk; GUSEV, S.G., inzh.-
ekon.; GORSKOV, V.A., inzh.-ekon.[deceased]; IL'IN, S.I.,
inzh.-ekon.; BALDIN, S.A., inzh.-ekon.; NAUMOVA, L.N., kand.
ekon. nauk

[Economics, organization and planning for the building
materials industry] Ekonomika, organizatsiya i planirovanie
promyshlennosti stroitel'nykh materialov. Moskva, Stroi-
izdat, 1965. 425 p, (MIRA 18:10)

ASTANEKIT, L.Yu.; LYUSOV, A.N., kand. ekonom. nauk

Complete mastering of plant equipment is the basis of the increase
of cement production. TSement 31 no.4:1-2 J1-Ag '65. (MIRA 18:8)

1. Gosplan SSSR.

S/137/62/000/006/128/163
A052/A101

AUTHORS: Bodyako, M. N., Astapchik, S. A.

TITLE: X-ray methods of determining grain size

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 73, abstract 6I455
("Dokl. AN BSSR", v. 5, no. 12, 1961, 551 - 553)

TEXT: The principal features of the method of determining grain sizes in a coarse-grain material by counting the number of spots on Debye ring are described. For spherical crystals $D_{av} = C_o \sqrt[3]{n_{hkl}}$, where D_{av} is the average grain size, n_{hkl} is the number of spots and C_o is a coefficient. The value of C_o was determined by radiographing the line (420) of fully recrystallized Ni, by counting the number of spots on Debye ring and determining grain size under microscope. Auxiliary diagrams in $D - n$ and $D - \sqrt[3]{n}$ coordinates are given. The method makes it possible to compute the grain size of 2 - 100 μ in the case of heteroaxial crystals with a chaotic orientation.

L. Mirkin

[Abstracter's note: Complete translation]

Card 1/1

S/170/62/005/005/007/015
B104/B102

AUTHORS: Bodyako, M. N., Astapchik, S. A.

TITLE: The effect of temperature and time of annealing on copper recrystallization

PERIODICAL: Inzhenerno-fizicheskii zhurnal, v. 5. no. 5, 1962, 61-67

TEXT: Recrystallization as a function of duration and temperature of annealing and of degree of deformation is investigated by a Debye pattern method. The change in Debye pattern intensity during recrystallization is studied. If recrystallization is incomplete the line intensity has several "peaks" corresponding to the separate crystallites. With further crystallization the number and intensity of the "peaks" increase until the line consists of one "peak" only (complete crystallization). $\epsilon_r = \Sigma S_t / (\Sigma S_t + \Sigma S_b)$ characterizes the degree of recrystallization. ΣS_t is the total intensity of the peaks, ΣS_b is the total intensity of the background. Cold rolled commercial

Card 1/2

The effect of temperature and ...

S/170/62/005/005/007/015
B104/B102

copper was annealed for 5, 10, 20, ..., 60 minutes at 280°C. Debye studies were carried out with an YFC-70 (URS-70) apparatus with copper emission. Results: Recrystallization can be described by $\varepsilon_r = 1 - \exp(-2.6 \cdot 10^{-5} t^3)$.

Degree of recrystallization as a function of temperature is described by $\varepsilon_r = \exp(a-b/T)$. a and b are constants depending on initial and final temperature of recrystallization and on the material. If recrystallization becomes nearly complete the degree of recrystallization increases more slowly than as described by the above formula. At $T = \text{const}$, $\varepsilon_r = C\varepsilon_d^k$, where ε_d is the degree of deformation; $C = \text{const}$, $k = \text{const} > 1$. There are 4 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN BSSR, g. Minsk
(Physicotechnical Institute AS BSSR, Minsk)

SUBMITTED: November 27, 1961

Card 2/2